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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/680,205	10/08/2003	Satoru Adachi	9683/261	7459
	7590 02/08/2007 ER GILSON & LIONE		EXAMINER	
P.O. BOX 1039	•		PATEL, JAYESH A	
CHICAGO, IL 60610			ART UNIT	PAPER NUMBER
			2624	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
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If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)
*		10/680,205	ADACHI ET AL.
	Office Action Summary	Examiner	Art Unit
		Jayesh A. Patel	2624
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address
A SH WHIC - Exter after - If NO - Failu Any (ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANS IN THE MAILING DANS IN THE MAILING DANS IN THE MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a) <u></u>	Responsive to communication(s) filed on <u>16 Ja</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allowar	action is non-final.	secution as to the merits is
	closed in accordance with the practice under $\boldsymbol{\mathcal{E}}$	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.
Dispositi	on of Claims		
5)□ 6)⊠ 7)□	Claim(s) 2,6-8 and 10 is/are pending in the app 4a) Of the above claim(s) 1,3,4,5 and 9 is/are w Claim(s) is/are allowed. Claim(s) 2,6-8 and 10 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vithdrawn from consideration.	
Applicati	on Papers		
10)⊠	The specification is objected to by the Examiner The drawing(s) filed on <u>08 October 2003</u> is/are: Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction to the or declaration is objected to by the Examiner.	a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority u	ınder 35 U.S.C. § 119		•
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau see the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment	He)		•
1) X Notice 2) Notice 3) X Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>1105.09/05.03/05</u> .	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	ite

DETAILED ACTION

Applicant's election without traverse of Claims 2,6,7,8 and 10 in the reply filed on December 11 2006 is acknowledged. Claims 1,3,4,5 and 9 are cancelled from further prosecution.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 10 is rejected under 35 U.S.C 101 because the claimed invention is directed to non-statutory subject matter as follows. Claim 10 defines [an image decoding program] embodying a functional descriptive material. However, the claim does not define a computer-readable medium or memory and is thus non-statutory for that reason (i.e., "When functional descriptive material is recorded on some computer-readable medium it becomes structurally and functionally interrelated to the medium and will be statutory in most cases since use of technology permits the function of the descriptive material to be realized" — Guidelines annex IV). That is, the scope of the presently claimed [An image decoding program] can range from paper on which the program is written, to a program simply contemplated and memorized by a person. The Claim recites a functional descriptive material not on a computer readable medium. The specifications at page 13 ["An image decoding program" according to the present invention is configured to let a computer execute each of the above steps] shows

that the program is not on a computer readable medium and hence nonstatutory. Page 3

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 2,6,7,8 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee (US 5107345) hereafter Lee.

1. Regarding Claim 2, Lee discloses an image decoding method (Fig 6) of decoding encoded data in encoded by an image encoding method of dividing image signals into blocks, performing an orthogonal transform of each block, reading resultant orthogonal transform coefficients to obtain a coefficient string, and performing entropy coding thereof, the image decoding method comprising: a block selecting step of selecting a size of a block for the orthogonal transform, out of a plurality of blocks of different sizes at (Col 2 Lines 35-57); a decoding step for performing decoding of the encoded data by entropy coding (Col 5 Lines 16 –17 and Col 6 Lines 10-13) adapted to a coefficient string in a block of a minimum size (2 x 2) out of the plurality of blocks (16 X 16, 8 X 8,4 X 4 and 2 X 2) at (Col 7 Lines 32-52); and a coefficient string constructing step of (Fig 6

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elements 116a-116d), when a block of a size (16 X 16,116a Fig 6) larger than the minimum size (2 X 2, 116d Fig 6) is selected in the block selecting step, constructing a coefficient string of the block of the larger size (16 X 16 Col 15 Lines 46-50) from a plurality of coefficient strings decoded in the decoding step at (element 118 Fig 6) and also at (Col 15 Lines 37-51).

2. Regarding Claim 6, Lee discloses an image decoding apparatus at (Col 2 Lines 18-21) of decoding encoded data encoded by an image encoding method of dividing image signals into blocks, performing an orthogonal transform of each block, reading resultant orthogonal transform coefficients to obtain a coefficient string, and performing entropy coding thereof, the image decoding apparatus comprising: block selecting means (element 102 in Fig 6) for selecting a size of a block for the orthogonal transform, out of a plurality of blocks of different sizes: decoding means (elements 104,106 and 108 of Fig 6) for performing decoding of the encoded data by entropy coding (Col 5 Lines 16 –17 and Col 6 Lines 10-13) adapted to a coefficient string in a block of a minimum size (2 x 2) out of the plurality of blocks (16 X 16, 8 X 8,4 X 4 and 2 X 2) at (Col 7 Lines 32-52); and coefficient string constructing means (element 118 Fig 6) and also at (Col 15 Lines 37-51) for, when a block of a size larger (16 X 16,116a Fig 6) than the minimum size (2 X 2, 116d Fig 6) is selected by the block selecting means at (Col 2 Lines 50-58) and (element 102 fig 6), constructing a coefficient string of the block of the larger size (16 X 16 Col 15 Lines 46-50) from a plurality of

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coefficient strings decoded by the decoding means at (element 118 Fig 6) and

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also at (Col 15 Lines 37-51).

3. Regarding Claim 7, Lee discloses an image decoding apparatus according to

claim 6, wherein the coefficient string constructing means is configured to read

coefficients in the plurality of coefficient strings decoded by the decoding means,

from the lowest in a low frequency region at (elements 110 and 112 of Fig 6)

and write the coefficients read out of the respective coefficient strings at (Col 14)

Lines 34-46 and Col 4 Lines 52-57), one by one in order into a new coefficient

string from the low frequency region at (Col 13 Lines 57-63), thereby obtaining

the constructed coefficient string at (element 118 Fig 6).

4. Regarding Claim 8 see the explanation of Claim 7.

5. Regarding Claim 10, Lee discloses a System for decoding in Fig 6, which

performs the method (program) of claim 2. Therefore see the corresponding

explanation of Claim 2.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jayesh A. Patel whose telephone number is 571-

270-1227. The examiner can normally be reached on M-F 7.00am to 4.30 pm (5-

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4-9). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jingge Wu can be reached on 571-272-7429. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jayesh Patel 1/30/07

SUPERUSORY PATENT EXAMINER